

Masters Program in MSE at Carnegie Mellon University

Neetha Khan
Masters Program Director

Greg Rohrer
MSE Department Head



Two Degree Programs

- **Master of Science in Materials Science and Engineering**
 - 96 units of coursework (2 semesters of work)
- **Master of Science in Materials Science**
 - 144 units of coursework/research (3-4 semesters)
 - Final project requirement

Master of Science in Materials Science and Engineering

Coursework Program

Students are required to take 96 units for this degree.

Four categories

24 units of *MSE graduate core courses*

24 units of *MSE graduate elective courses*

24 units of *approved MSE-related courses*

24 units of *approved graduate courses**

**12-24 units of research units can be counted here*



Master of Science in Materials Science

Research and Coursework Program

Students are required to take 144 units for this degree.

72 units of coursework

24 units of *MSE graduate core courses*

24 units of *MSE graduate elective courses*

24 units of *approved MSE-related courses*

72 units of Graduate research

Final project submission is a requirement for graduation.

Applications to the Program

	Applications		Accepted		Enrolled	
	MS-MSE	MS-MS	MS-MSE	MS-MS	MS-MSE	MS-MS
Fall 2011	29	79	15	29	9	13
Fall 2012	42	111	12	29	5	10
Fall 2013	74	112	34	42	13	11
Fall 2014	56	119	24	38	5	8

Masters Program Enrollment

First Semester	MS in MSE	MS in MatSci	TOTAL
Fall 2011	9	13	22
Fall 2012/ Spring 2012	5	12	17
Fall 2013/ Spring 2013	13	13	26
Fall 2014	5	8	13



Where do our students come from?

Enrollment Semester	U.S. Citizen or Perm. Resident	China	India	Other*
Fall 2011	2	13	2	5
Fall 2012/ Spring 2012	2	12	0	3
Fall 2013/ Spring 2013	3	13	6	4
Fall 2014	2	8	3	0

**Includes: South Korea, Taiwan, Argentina, Austria, New Zealand, Turkey*



Admission into PhD Programs

Graduation Semester	PhD program – CMU	PhD program - Other	Other Professional Program
Spring 2012	2	1	0
Fall 2012	1	2	0
Spring 2013	2	4	1
Fall 2013	1	0	0
Spring 2014	1	1	1
Total	7	8	2

PhD Programs

U. California, Davis - MSE (2)

U. Texas at Austin – Petroleum Eng (1)

U. Texas at Austin – Materials Eng (1)

UCLA (1)

Arizona State University – Elec Eng (1)

CMU – Chemistry (1)

University of New South Wales (1)

Carnegie Mellon University



Employment after CMU

Graduation Semester	Companies that hired our graduates
Spring 2012	Laser Components – AZ (1)
Fall 2012/Spring 2013	SKIM (Healthcare) – NJ (1)
Fall 2013/Spring 2014	Steel Industry – Nucor, Timken (2) Cree, Inc (1) Swagelok (1) Raytheon (1) Loreal (1) NASA Ames Research Center (1)

Four students secured summer internships at the following companies in 2013 (2) and 2014 (2):

Alcoa, Arcelor Mittal, Schlumberger and RTI metals

